

*AMENDMENTS TO THE CLAIMS*

This listing of claims replaces all prior versions, and listings, of claims in the application.

1. (Currently Amended) A gene transfer vector comprising a nucleic acid sequence which comprises SEQ ID NO: 1 and further encodes ~~and~~ a heterologous sorting signal, ~~wherein the nucleic acid sequence comprises SEQ ID NO: 1.~~

2. (Withdrawn) The gene transfer vector of claim 1, wherein the nucleic acid sequence further comprises a sequence that encodes at least an immunogenic portion of one or more exotoxins selected from the group consisting of edema factor, and lethal factor.

3. (Withdrawn) The gene transfer vector of claim 2, wherein the nucleic acid sequence comprises a sequence selected from the group consisting of SEQ ID NO: 2 and SEQ ID NO: 3.

4.-5. (Canceled)

6. (Original) The gene transfer vector of claim 1, wherein the heterologous sorting signal directs the exotoxin to a subcellular sorting pathway.

7. (Currently Amended) The gene transfer vector of claim 6, wherein the subcellular sorting pathway is ~~selected from the group consisting of an extracellular pathway, a cytoplasmic pathway, a cell membrane pathway, a lysosome pathway, an endoplasmic reticulum pathway, and a degradative pathway.~~

8. (Original) The gene transfer vector of claim 1, wherein the heterologous sorting signal is a lysosomal-associated membrane protein-1 sorting signal.

9. (Original) The gene transfer vector of claim 1, wherein the nucleic acid sequence further encodes a heterologous signal peptide.